cross tabulation display means for displaying according to [specified] summing up

conditions to set a range to be displayed a cross tabulation in which data [to be analyzed]

sample at random from a database is cross summed up[,];

cell specifying means for specifying at least one cell among a number of cells

constituting said cross tabulation[,]; and

graph display means for displaying the data [to be analyzed] sampled at random from

the database as a graph within the range of the cell specified by said cell specifying means.

2.   (ONCE AMENDED) An interactive data analysis support apparatus according

to claim 1, wherein said graph display means comprises display limiting means for limiting the

range of the data to be displayed by an operation in a graph.

3.   (ONCE AMENDED) An interactive data analysis support apparatus according

to claim 2, wherein said graph display means comprises storage means for storing the range of

the data to be displayed which is limited by said display limiting means as a summing up

condition used by said cross tabulation display means, and said cross tabulation display means

is capable of displaying cross tabulation in which the data [to be analyzed] sampled at random

from a database is cross-summed up according to the [stored] summing up condition stored by

said storage means.

4.   (ONCE AMENDED) An interactive data analysis support apparatus according

to claim 1, wherein said graph display means comprises rearranging means for automatically

rearranging in a graph the data to be displayed according to predetermined conditions.

5.   (ONCE AMENDED) An interactive data analysis support apparatus according to claim 4, wherein said graph display means comprises storage means for storing data to be displayed which is rearranged by said rearranging means as a summing up condition used by said cross tabulation display means, and said cross tabulation display means is capable of displaying cross tabulation in which the data [to be analyzed] sampled at random from a database is cross-summed up according to the [stored] summing up condition stored by said storage means.

6.   (ONCE AMENDED) An interactive data analysis support apparatus according to claim 1, wherein said graph display means comprises:

automatic analyzing means for finding a new display item by extracting a characteristic of [said] the data [to be analyzed] sampled at random from said database, and display item-adding means for adding the [found] new display item found by said automatic analyzing means to the graph.

7.   (ONCE AMENDED) An interactive data analysis support apparatus according to claim 6, wherein

said graph display means comprises storage means for storing the new display item added by said display item-adding means as a summing up condition used by said cross tabulation display means, and said cross tabulation display means is capable of displaying cross

tabulation in which the data [to be analyzed] <u>sampled at random from a database</u> is cross-summed up according to the [stored] summing up condition <u>stored by said storage means</u>.

8.   (ONCE AMENDED) An interactive data analysis support apparatus according to claim 1, wherein [said] <u>the</u> data [to be analyzed] <u>sampled at random from said database</u> is an aggregate of records composed of a number of data items.

9.   (DELETED)

10.   (NEVER AMENDED) An interactive data analysis support apparatus according to claim 8, wherein said graph display means has a structure such that a graph is displayed designating said data item as an axis.

11.   (NEVER AMENDED) An interactive data analysis support apparatus according to claim 10, wherein said graph display means comprises the same number of axes as the data items constituting said records, and plots a point corresponding to a value of each data item with regard to each of said records, to thereby display a graph in which points plotted on adjacent axes are connected by a segment.

12.   (ONCE AMENDED) A medium on which is recorded an interactive data analysis support program for supporting the analysis of data wherein there is recorded at least a program for executing:

a cross tabulation display function for displaying according to [specified] summing up conditions <u>to set a range to be displayed</u> a cross tabulation in which data [to be analyzed] <u>sampled at random from a database</u> is cross-summed up[,]<u>;</u>

a cell specifying function for specifying at least one cell among a number of cells constituting said cross tabulation[,]<u>;</u> and

a graph display function for displaying the data [to be analyzed] <u>sampled at random from the database</u> as a graph within the range of the cell specified by said cell specifying function.

13. (ONCE AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 12, wherein said graph display function comprises a display limiting function for limiting the range of the data to be displayed <u>by an operation in a graph</u>.

14. (ONCE AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 13, wherein said graph display function comprises a storage function for storing the range of the data to be displayed which is limited by said display limiting function as a summing up condition used by said cross tabulation display function[,]<u>;</u> and

said cross tabulation display function is capable of displaying cross tabulation in which the data [to be analyzed] <u>sampled at random from a database</u> is cross-summed up according to the [stored] summing up condition <u>stored by said storage function.</u>

15.　(ONCE AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 12, wherein said graph display function comprises a rearranging function for automatically rearranging in a graph the data to be displayed according to predetermined conditions.

16.　(ONCE AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 15, wherein said graph display function comprises a storage function for storing data to be displayed which is rearranged by said rearranging function as a summing up condition used by said cross tabulation display function, and said cross tabulation display function is capable of displaying cross tabulation in which the data [to be analyzed] sampled at random from a database is cross-summed up according to the [stored] summing up condition stored by said storage function.

17.　(ONCE AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 12, wherein said graph display function comprises:

an automatic analyzing function for finding a new display item by extracting a characteristic of [said] the data [to be analyzed] sampled at random from said database, and a display item-adding function for adding the [found] new display item found by said automatic analyzing function to the graph.

18.   (ONCE AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 17, wherein said graph display function comprises a storage function for storing the new display item added by said display item-adding function as a summing up condition used by said cross tabulation display function, and said cross tabulation display function is capable of displaying cross tabulation in which the data [to be analyzed] sampled at random from a database is cross-summed up according to the [stored] summing up condition stored by said storage function.

19.   (ONCE AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 12, wherein [said] the data [to be analyzed] sampled at random from said database is an aggregate of records composed of a number of data items.

20.   (DELETED)

21.   (NEVER AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 19, wherein said graph display function has a structure such that a graph is displayed designating said data item as an axis.

22.   (NEVER AMENDED) A medium on which is recorded an interactive data analysis support program according to claim 21, wherein said graph display function comprises the same number of axes as the data items constituting said records, and plots a point

corresponding to a value of each data item with regard to each of said records, to thereby

display a graph in which points plotted on adjacent axes are connected by a segment.

Please ADD the following NEW claims:

23.   (NEW) An interactive data analysis support apparatus for supporting the

analysis of data, said apparatus comprising:

a cross tabulation display device displaying according to summing up conditions to set a

range to be displayed a cross tabulation in which data sample at random from a database is

cross summed up;

a cell specifying device specifying at least one cell among a number of cells constituting

said cross tabulation; and

graph display means for displaying the data sampled at random from the database as a

graph within the range of the cell specified by said cell specifying means.

24.   (NEW) An interactive data analysis support apparatus according to claim 23,

wherein said graph display means comprises display limiting device for limiting the range of

the data to be displayed by an operation in a graph.

25.   (NEW) An interactive data analysis support apparatus according to claim 23,

wherein said graph display device comprises a rearranging device for automatically

rearranging in a graph the data to be displayed according to predetermined conditions.